

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

FALL OF 1894.

SPRING OF 1895.



WHOLESALE CATALOGUE

.. OF THE ..

Waukegan



Nurseries

WAUKEGAN, ILL.

R. DOUGLAS & SONS,

PROPRIETORS

We make a Specialty

OF GROWING

HARDY, ORNAMENTAL

EVERGREENS.....

FOR
PARKS, CEMETERIES AND ORNAMENTAL PLANTING.

Our list is not a long one, as we propagate the kinds we know to be hardy and valuable, and no others.

We make a specialty of growing Colorado Evergreens, which have attracted so much attention lately, both in this country and in Europe, and have by far the largest stock in cultivation.

Our Transplanted Trees are grown much further apart than is usual, allowing them room to be taken up with perfect roots.

We also make a specialty of growing Evergreen Trees from Seeds in very large quantities for Nurserymen, and Forest Trees for planters.

GENERAL REMARKS.

We call special attention to the very low prices at which we offer the within first quality stock, and beg leave to state to those receiving this, our catalogue, that these are our cash prices, from which we allow no discount.

With our experience of over forty years in growing evergreens from seeds, packing and shipping millions annually, we are glad to be able to say that we ship them to arrive as safely and transplant as successfully as apple or other deciduous trees.

Our packers are men who thoroughly understand their business, having had over twenty-five years' experience in our employ.

We would call the attention of importers to the fact that our Seedling Evergreens and Larches make a free growth the season they are transplanted, while imported trees rarely make a satisfactory growth until the second season after planting, and that ours are not so likely to be damaged on the route as trees that must necessarily be kept from a free circulation of air in crossing the Atlantic.

Our Seedlings are all assorted before shipping, and only first-class plants are sent out.

We have by far the largest stock of evergreens in America, all grown from seeds in our own Nurseries.



LOCATION.

Our Nurseries are located on the Western shore of Lake Michigan thirty-five miles north of Chicago, on the Milwaukee division of the Chicago & North-Western Railway, (on which there are twenty-four passenger trains daily between Chicago and Milwaukee).

This being the terminus of the Belt Road, we can ship at Chicago rates to all distant parts of the country.

Terms and Conditions.

.....

The terms of payment must invariably *be cash, or satisfactory security before shipping.*

When goods are ordered by express, C. O. D., one-half the amount in cash must accompany the order.

We pack in strong, light boxes, *for which we make a moderate charge.*

No charge is made for delivering goods at Freight and Express office.

After delivering our goods to forwarders, our responsibility ceases.

When losses occur through detention or neglect *en route*, claims should be made *at once*, on the forwarders.

Any mistake of ours will be promptly corrected if notified within ten days from receipt of goods.

Purchasers will confer a favor by stating the manner in which they wish their goods sent, by Freight or Express; also the route from Chicago if practicable. Write Post Office address plainly.

The articles on the following list will be furnished at annexed prices only when the quantity specified is taken, except as follows: 50 at 100 rates, 500 at 1,000 rates, etc. Rates by the 100 or 1,000, etc., will not apply when two or more articles or classes offered separately are included to make up the required number. We have by far the largest stock of Evergreens ever offered in the United States, *all* grown from seeds on our own grounds.



Pinus resinosa.

The Red Pine, often wrongfully called Norway Pine, grows in the northern parts of the United States and in the British Provinces. It is nearly always found on dry soils. It is one of the most valuable pines and highly deserves extensive cultivation. The Red Pine is far superior to the Scotch and Austrian pines for ornamental purposes and it seems strange that it has not been more extensively brought into notice.

Pinus strobus.

The White Pine is a well-known and useful tree, both for ornament and shelter belts. It accommodates itself to a variety of soils. It grows in poor, sandy or gravelly soils and in rich loams. As an ornamental tree, the White Pine is surpassed by few, if any, of its genus. Its foliage is soft and its whole appearance graceful.

Pinus Austriaca.

The Austrian Pine is a good ornamental tree. Compact in growth, dark in color and will grow in most soils, but not as rapidly as the White Pine.

Pinus sylvestris.

The Scotch Pine is a rapid grower, thrives well on poor soil, is easily handled and is a better tree for windbreaks than for ornamental purposes.

Pinus mugho.

The Mountain Pine is a dwarf grower, fine for lawn planting and cemetery purposes.

NEW AND RARE EVERGREENS.

The blue spruce of Colorado, *Picea pungens*, of the botanists, varies from deep green to light and dark blue in color. They are all beautiful, valuable and perfectly hardy trees, but the blue ones are most admired.

Two of the leading Nursery firms in England have offered to take all our selected blue ones at our own price, but the main object we had in introducing this tree, and the Douglas Spruce of Colorado, was to furnish conifers that would endure the summer drouths and winter blasts on our western prairies; we therefore offer the selected blue trees at a high price and the greener ones at a lower price than if sold without selection.

The Colorado Blue Spruce, the Douglas Spruce of Colorado, *Pseudotsuga Douglasii* (Engelm) and the White Spruce, *Picea alba*, are the most ornamental and most hardy of all the spruces.

Specimen trees of these three kinds from 20 to 30 feet high, in Massachusetts, Illinois, Iowa, Kansas and Nebraska, convince us that they will stand extreme drouth in summer and extreme cold in winter better than the common so-called hardy evergreens.



TO OUR PATRONS.

Owing to the growth of our city during the past three years, we have been compelled to move a part of our Nurseries to a large tract of land adjoining the city limits on the west, where we have the largest and best selection of one and two year old conifers ever raised in the United States, and having a large stock of Evergreens and Deciduous trees of two to ten feet high of the best form, that must be moved next spring from land already sold, we offer them *at special rates* in car loads for parks, cemeteries and private grounds. Included in the above are Douglas Spruce and Colorado Blue Spruce of larger size than can be found elsewhere.

No. of Trees or Plants on an Acre at Given Distances Apart.

							Square Method.	Equilateral Triangle M.
Distance, 1 foot apart each way, number plants.							43,560	50,300
"	2 feet	"	"	"	"	"	10,890	12,575
"	3 "	"	"	"	"	"	4,840	5,889
"	4 "	"	"	"	"	"	2,722	3,130
"	5 "	"	"	"	"	"	1,742	2,011
"	6 "	"	"	"	"	"	1,210	1,397
"	7 "	"	"	"	"	"	807	928
"	8 "	"	"	"	"	"	680	785
"	9 "	"	"	"	"	"	537	620
"	10 "	"	"	"	"	"	435	502
"	12 "	"	"	"	"	"	302	348
"	14 "	"	"	"	"	"	222	256
"	15 "	"	"	"	"	"	193	222
"	16 "	"	"	"	"	"	170	195
"	18 "	"	"	"	"	"	134	154
"	20 "	"	"	"	"	"	109	125
"	25 "	"	"	"	"	"	69	79
"	30 "	"	"	"	"	"	48	55
"	35 "	"	"	"	"	"	35	40
"	40 "	"	"	"	"	"	27	31

NEW AND RARE EVERGREENS.

SEVERAL TIMES TRANSPLANTED.

We have a few hundred Colorado Blue Spruce, *Picea pungens*, 5½ to 7 feet high, perfect specimens that have stood a good distance apart and are perfect in form. Also Douglas Spruce, *Pseudotsuga Douglasii*, grown in same manner. 8 to 10 feet high, carefully packed, f. o. b. @ \$5.00 each.

	Per Pair.	Per 10.	Per 100.
<i>Picea pungens</i> , Col. Bl. Spruce, sel. "Blue" form 4 to 5 ft.	\$5 00	\$20 00	
" " " " " " " "Green" " 5 to 7 "	2 50	12 00	
" " " " " " " " " 2 to 2½ "	1 00	4 00	\$25 00
<i>Abies concolor</i> 12 to 15 in.	1 50	6 00	
<i>Pseudotsuga Douglasii</i> , D. Spr. fr. Col. Seeds. 7 to 9 ft.	5 00	20 00	
" " " " " " " " " 5 to 6 "	4 00	15 00	
" " " " " " " " " 2 to 2½ "	1 00	4 00	30 00
<i>Abies Siberica</i> 2 to 2½ "	2 00	8 00	
<i>Thuja Occidentalis</i> , Dougl. Golden Arborvitæ 2 to 3 "	1 00	4 00	
" " " " " " " " " 10 to 12 in.	75	2 25	
" " " Pyramid " 12 to 18 "	1 50	5 00	
" " " Little Gem "	1 00	2 50	

SEEDLINGS.

	Per 100.	Per 1000.
<i>Picea pungens</i> , Col. Blue Spruce. .Root-pruned. 6 to 7 in. 4 yrs.	\$5 00	
" " " " " " " " " 3 to 5 " 3 "	3 00	\$25 00
" " " " " " " " " 2 to 3 " 2 "	1 00	8 00
<i>Pseudotsuga Douglasii</i> , fr. Col. seeds, .6 to 8 in.		
" " " " " " " " " 4 to 6 "	2 00	15 00
" " " " " " " " " 3 to 4 "	1 50	10 00
<i>Abies concolor</i> , " " " " " 3 to 5 "	4 50	40 00
<i>Pinus ponderosa</i> " " " " " 4 to 6 "	3 50	
" " " " " " " " " 1 yr., strong...	1 50	10 00

WAUKEGAN NURSERIES.

EVERGREEN TREES.

Several times transplanted. All very thrifty and stocky.

	Per 10.	Per 100.	Per 1000.
Norway Spruce..... 3 to 4 feet....	\$5 00	\$30 00	
“ “ 2 to 3 “	2 50	15 00	\$125 00
“ “ 18 to 20 inches..	2 00	10 00	45 00
“ “ 12 to 18 “	1 75	5 00	30 00
“ “ 10 to 12 “	50	2 50	18 00
White Spruce..... 3 to 3½ feet..	5 00	30 00	
“ “ 2 to 3 “	3 50	25 00	
“ “ 18 to 24 inches .	3 00	12 50	
Mountain Pine (Dwarf gwr). 18 to 24 “ ..	3 00	15 00	
“ “ 12 to 18 “	2 00	10 00	
Red Pine..... 3 to 3½ feet..	5 00	25 00	150 00
“ “ 2 to 3 “	3 00	15 00	100 00
“ “ 18 to 24 inches..	2 00	12 00	80 00
White Pine..... 10 to 15 “	1 00	4 00	
Austrian Pine..... 2 to 3 feet....	2 00	15 00	
Balsam Fir..... 1 to 2 “	1 50		

EVERGREEN TREE SEEDLINGS.

The following are very fine, stocky and well rooted, and far superior to imported trees of same age, as they make a fine growth the first season after transplanting.

	Per 100	Per 1000
Norway Spruce..... 4 to 6 inches....	\$ 50	\$ 3 00
White “ 3 to 4 “	75	5 00
Scotch Pine..... 8 to 10 “	1 00	7 00
“ “ 6 to 8 “	75	6 00
“ “ 4 to 6 “	50	5 00
Austrian Pine..... 6 to 8 “	1 00	7 00
“ “ 3 to 5 “	75	5 00
White “ 3 to 4 “	75	5 00
Mountain “ 2 to 3 “	75	5 00
American Arbor Vitae..... 2 to 3 “	75	5 00
Red Cedar..... 1 year	75	5 00
Balsam Fir..... 2 to 3 inches.....	75	5 00

SHADE AND ORNAMENTAL TREES.

TRANSPLATED.

	Per 10	Per 100
Silver or Soft Maple.....10 to 12 feet.....	\$ 5 00	\$40 00
“ “ “ 8 to 10 “	4 00	30 00
“ “ “ 6 to 8 “	2 50	15 00
European White Birch..... 8 to 10 “	7 50	
“ “ “ 6 to 8 “	5 00	45 00
Wild Black Cherry.....10 to 12 “	7 50	
“ “ “ 8 to 10 “	6 00	25 00
Green Ash..... 8 to 10 “	4 00	30 00
“ “ 5 to 7 “	3 00	25 00
American Elm..... 8 to 10 “	10 00	
“ “ 5 to 7 “	5 00	30 00
Tulip Tree..... 3 to 4 “	3 50	
Norway Maple..... 4 to 6 “	3 50	
Sugar 4 to 6 “	3 00	
American Mountain Ash..... 6 to 7 “	6 00	
“ Linden..... 3 to 4 “	4 00	35 00
European Alder..... 3 to 5 “	2 00	15 00
Carolina Poplar..... 6 to 8 “	5 00	35 00
Catalpa Speciosa..... 4 to 6 “	2 50	20 00

FOREST AND ORNAMENTAL TREE SEEDLINGS.

	Per 100	Per 1000
White Ash.....10 to 15 inches....	\$1 00	\$3 00
Green Ash 10 to 15 “	1 00	3 00
Silver or Soft Maple..... 6 to 10 “	50	3 00
European Alder.....10 to 12 “	50	4 00
Catalpa Speciosa.....10 to 15 “	75	3 50
European Larch.....10 to 15 “	1 00	9 00
“ “ 6 to 10 “	75	6 00
Wild Black Cherry.....18 to 24 “	1 00	6 00
“ “ “10 to 15 “	75	5 00
Black or Yellow Locust.....12 to 24 inches....	75	4 00
Russian Mulberry.....1 year	50	3 50
Bur Oak.....1 “	1 00	
American Elm.....1 “	75	5 00

Evergreen and Deciduous Tree Seeds.

	PER OZ.	PER LB.
<i>Abies Balsamæ</i> , Balsam Fir.....	\$ 40	\$2 00
<i>Abies concolor</i> , from Colorado	80	4 00
<i>Pseudotsuga Douglasii</i> , Douglas Spruce, Colorado....	80	4 00
<i>Picea Excelsa</i> , Norway Spruce.....	25	1 50
<i>Picea Alba</i> , White Spruce.....	50	4 00
<i>Picea Nigra</i> , Black Spruce.....	80	4 00
<i>Picea pungens</i> , from Colorado.....	80	5 00
<i>Pinus Austriaca</i> , Austrian Pine.....	25	1 50
<i>Pinus strobus</i> , White Pine.....	25	2 00
<i>Pinus sylvestris</i> , Scotch Pine	25	2 00
<i>Thuja Occidentalis</i> , Arbor Vitæ.....	25	2 50
<i>Acer Platanoides</i> , Norway Maple.....	20	1 50
<i>Ailanthus Glandulosus</i> , Ailanthus.....	20	1 00
<i>Alnus Communis</i> , European Alder.....	20	1 00
<i>Betula Americana</i> , American White Birch.....	25	2 50
<i>Betula Alba</i> , European White Birch.....	25	1 50
<i>Catalpa Speciosa</i> , Hardy Catalpa.....	25	1 50
<i>Crataegus Coccinea</i> , Scarlet Fruited Thorn.....	25	1 50
<i>Fraxinus Alba</i> , White Ash.....	25	1 00
<i>Fraxinus Sambucifolia</i> , Black Ash.....	25	1 00
<i>Gleditsia Triacanthos</i> , Honey Locust.....	25	1 00
<i>Gymnocladus Canadensis</i> , Kentucky Coffee Tree.....	25	1 50
<i>Juglans Nigra</i> , Black Walnut, per bu. \$3.....		
<i>Juglans Cinerea</i> , per bu \$3.....		
<i>Larix Europææ</i> , European Larch.....	25	1 50
<i>Liriodendron Tulipiferae</i> , Tulip Tree.....	25	1 00
<i>Morus Alba</i> , Russian Mulberry.....	25	1 50
<i>Prunus Serotina</i> , Wild Black Cherry.....	15	1 00
<i>Robinia Pseudacacia</i> , Black Locust.....	15	1 00
<i>Tilia Americana</i> , American Linden.....	15	1 00
<i>Tilia Europææ</i> , European Linden.....	25	1 50

WE OFFER THE
FOLLOWING PACKAGES

BY MAIL, POSTPAID.

FOR \$1.00 PER PACKAGE.

Our mail packages are made up of the number set opposite each kind, and we never divide the packages, nor put more than one kind in each \$1.00 package.

No. 1.—100 European Larch.	1 year.
No. 2.—100 Green Ash.	1 “
No. 3.—100 Hardy Catalpa.	1 “
No. 4.—100 White Elm.	1 “
No. 5.— 50 European White Birch.	2 years.
No. 6.—100 Norway Spruce.	2 “
No. 7.— 75 White Spruce.	2 “
No. 8.—100 American Arbor Vitæ.	2 “
No. 9.— 75 Balsam Fir.	2 “
No. 10.— 75 White Pine.	2 “
No. 11.—100 Austrian Pine.	2 “
No. 12.—100 Scotch Pine.	2 “
No. 13.—100 Soft Maple.	1 year.
No. 14.—100 Wild Black Cherry.	1 “
No. 15.—100 European Alder.	1 “
No. 16.— 40 Douglas Spruce.	2 years.
No. 17.— 25 Picea pungens.	2 “
No. 18.— 25 Abies concolor.	2 “
No. 19.— 50 Pinus ponderosa.	1 year.
No. 20.— 75 Mountain Ash.	1 “
No. 21.—100 Russian Mulberry.	1 “

WE MAKE A SPECIALTY OF GROWING

Hardy and Rare

Evergreens

and **Shade Trees.**

4 TO 10 FEET HIGH FOR

PARKS, CEMETERIES,

— AND —

ORNAMENTAL GROUNDS.

And as two of our Nurseries must be vacated
next spring, we offer the above at special
reduced rates in carload.